

KALIBERDA, V.M., kand. sel'skokhoz. nauk; SULIMOVSKIY, I.G., kand. sel'skokhoz. nauk; BUKHAN'KO, Ye.P.; LOGVINENKO, V.A., agronom; KOVALENKO, A.P.; PODGORNYY, P.I., prof. zasluzhennyy deyatel' nauki Ukrainskoy SSR; FEDOTOV, V.A., aspirant; KURBATOV, I.D., agronom; KOZEYEV, V.I.; SHCHETININ, A.I.; KORCHAGIN, V.A., kand. sel'skokhoz. nauk; SOGURENKO, V.P.; KOSTROV, K.A., kand. sel'skokhoz. nauk; DULYA, F.M.; SHERSTNEV, N.F., aspirant

Crops preceding winter crops in various zones. Zemledelia 27 no.7: 26-45 J1 '65. (MIRA 18:7)

1. Ukrainskaya sel'skokhozyaystvennaya akademiya (for Kaliberda).
2. Odesskiy sel'skokhozyaystvennyy institut (for Sulimovskiy).
3. Odesskaya oblastnaya sel'skokhozyaystvennaya opyt'naya stantsiya (for Bukhan'ko). 4. Kolkhoz imeni Kirova, Mar'inskogo rayona Donetskoy oblasti (for Logvinenko). 5. Donetskaya oblastnaya sel'skokhozyaystvennaya opyt'naya stantsiya (for Kovalenko). 6. Voronezhskiy sel'skokhozyaystvennyy institut (for Fedotov). 7. Alekseyevskoye rayonnoye proizvodstvennoye upravleniye sel'skogo khozyaystva, Belgorodskoy oblasti (for Kurbatov). 8. Bezenchukskaya sel'skokhozyaystvennaya opyt'naya stantsiya (for Korchagin). 9. Direktor Bykovskoy opyt'noy stantsii bakhchevodstva (for Sogurenko). 10. Mordovskaya sel'skokhozyaystvennaya opyt'naya stantsiya (for Kostrov). 11. Direktor sovkhoza "Khleborobnyy", Smolenskogo rayona, Altayskogo kraya (for Dulya). 12. Altayskiy sel'skokhozyaystvennyy institut (for Sherstnev).

Card 5/5
Researcher: Student of the Division of Biology,
University of Tennessee, Knoxville, Tennessee. A. Tardieu,
Leptodermis) from the Kentucky River (Trib. main)
67

STEPANYAN, L.A., red.; ARUTYUNYAN, A.B., red.; BAGDASARYAN, A.B., prof.,
 doktor geogr. nauk, glav. nauchnyy red.; DAVTYAN, G.S., red.;
 MARTIROSYAN, G.M., red.; MARUKHYAN, A.O., red.; MKRTCHYAN, S.S.,
 red.; URUSOV, V.V., red.; SHAKHBAZIAN, M.S., red.; ALLAKHVERDIYAN,
 G.O., kand. ekonom. nauk zam glav. nauchnogo red.; ARUTYUNYAN,
 N.Kh., akademik, red.; VALESYAN, L.A., kand. geogr. nauk, red.;
 DUL'YAN, S.H., kand. geogr. nauk, red.; YEREMYAN, S.T., red.;
 ZOGRAFIYAN, L.N., kand. geogr. nauk, red.; KOCHARYAN, G.A., prof.,
 red.; POGOSYAN, Kh.P., prof., doktor geogr. nauk, red.;
 RUTKOVSKAYA, M.S., starshiy red.; SAVELO, A.F., tekhn. red.;
 YAROSHEVICH, K.Ye., tekhn. red.

[Atlas of the Armenian Soviet Socialist Republic] Atlas Armianskoi
 Sovetskoi Sotsialisticheskoi Respubliki. Erevan, Akad. nauk Armian-
 skoi SSR; glav. upr. geodez. i kartografii MG i ON SSSR, 1961. 111 p.
 (MIRA 15:2)

1. Minskaya kartograficheskaya fabrika Glavnogo upravleniya geodezii
 i kartografii Ministerstva geologii i okhrany neдр SSSR (for Urusov).
 2. Akademiya nauk Armyanskoy SSR (for Arutyunyan). 3. Chlen-korrespon-
 dent AN Armyanskoy SSR (for Yeremyan).
- (Armenia--Maps)

VALESYAN, L.A.; DUL'YAN, S.M.; YEGIAZARYAN, Ye.A.

Basic trends in the development of economic geography in Soviet
Armenia. Iz ist.est.i tekhn. 2:332 '62.

(MIRA 18:4)

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ACE AIR A 06060019

SOURCE CODE: 11R 1039414 1030 1003 1031 1015

CIA-RDP86-00513R000411520

Dul'zon A.P.
DUL'ZON, A.P.

The ancient distribution of Kets according to toponymic data.
Vop. geog. no. 58:50-84 '62. (MIRA 15:9)
(Names, Geographical—Ket)

DUL'ZOV, A. P.

"Drevniye toponimy Yuzhnoy Sibiri indo-evropeyskogo proiskhozhdeniya."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

DUL'ZON, Nikolay Andreyevich, assistant

Differential power transformers with superimposed magnetization.
Izv.vys. ucheb. zav.; elektrotekh. 3 no.4:48-56 '60. (MIRA 13:9)

1. Kafedra elektricheskikh stantsiy, setey i sistem Tomskogo
politehnicheskogo instituta.
(Electric transformers)

S/144/60/000/04/008/017
E194/E455

AUTHOR: Dul'zon, N.A.

TITLE: Pre-Magnetized Differential Current-Transformers⁹

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1960, Nr 4, pp 48-56 (USSR)

ABSTRACT: The work described in this article was carried out under the guidance of Professor I.D.Kutyavin. The use of differential current-transformers for alternator protection is reviewed. Existing transformers are too large and though their size could be reduced by the use of permalloy, the material is scarce and expensive. The use of d.c. premagnetization, as in zero phase-sequence current-transformer protection, is not recommended because the necessary transformers are complicated and big. The present article describes single-turn single-circuit differential-current transformers with premagnetization by the primary-current leakage fluxes. These transformers are of simple construction; they are comparatively small and may be used successfully on medium and large alternators. The core of the new differential current-transformers is

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illustrated diagrammatically in Fig 1a; It is rectangular and fits round the two conductors of a generator phase. There are four secondary windings, two on the legs common to the two conductors, and two on the end limbs. The cores are made of ordinary magnetic steel, as used in alternators. Under normal conditions and on external fault, the currents in the two phase conductors are equal and opposite. No emf is induced in the coils on the common legs, whilst leakage flux emf's are induced in the windings on the end limbs. On the occurrence of an internal (generator) fault, the current flows in the same direction in both conductors. Thus emf's are induced in the windings on the common legs, which also carry some leakage flux. The fault-current flux also induces emf's in the outer windings which, in addition, carry the total leakage flux. On the occurrence of an earth fault, the flux distribution is as shown in Fig 1b, with the superposition of an additional flux. The latter induces an emf in the windings on the common legs and the leakage flux provides

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premagnetization of the core to a value of induction that ensures highly sensitive earth protection. A schematic circuit diagram of generator protection is given in Fig 2. Relays 1, 2 and 3 are connected to one of the end coils of the differential transformer on each phase and respond to external fault currents, whilst relay 4 responds to overload. These relays also respond to internal faults. Relays 5, 6 and 7 are connected in series with the two coils on the common legs on each phase and respond to internal faults between phases, whilst relay 8 is the earth protection relay. When each phase of the generator consists of two parallel windings the protection circuit is as shown in Fig 3.

~~Here relays 1 to 8 maintain the same functions as before,~~
whilst relays 9, 10 and 11 and the corresponding windings respond to inter-turn faults. When the alternator operates as a unit with a transformer the protective circuit may be somewhat simplified because Relay 8 is not required. Leakage fluxes in the new differential transformer are then calculated. As the

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usual method of calculating these fluxes is cumbersome and not very accurate, an approximate method of calculation is described. The permeance of the leakage flux circuit is given by Eq (1), the induction by expression (4) and the reluctance of the full magnetic circuit by Eq (6). In principle, the reluctance of the core is calculated for a certain fictitious length of mean magnetic flux path determined from Eq (5) for a value of permeability corresponding to the induction calculated by Eq (4). Selection of the transformer dimensions is then discussed. Some are fixed in advance by the geometry of the alternator terminals; the thickness of the core may be determined from Eq (7). The method of determining the magnetic permeability and the actual induction in the core when selecting the core thickness is explained with reference to the curves given in Fig 5. On substituting the core characteristics into Eq (7), certain corrections may be necessary and these are explained. Experience shows that for generators of 6 kV and more with rated currents

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over 800 A satisfactory results can be obtained with relay type ETD-550 with an operating power of 0.01 VA; more sensitive relays are not necessary. This new method of protection is compared with the existing one developed by the Academy of Sciences UkrSSR. It is stated that the new method has higher selectivity and sensitivity and is better suited to systems incorporating arc-suppression coils. To check the formulae, numerical calculations were made on a particular current transformer, details of which are given, having the circuit and magnetic properties given in Fig 6. Curves of earth-protection operating current and of overload-protection current as functions of load current are plotted along with experimental values in Fig 6. It will be seen that the difference is less than 7%, which is very satisfactory. These new current transformers could be used for other large machines besides generators. There are 6 figures and 9 Soviet references.

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Pre-Magnetized Differential Current-Transformers

ASSOCIATION: Tomskiy politekhnicheskiy institut
(Tomsk Polytechnical Institute)

SUBMITTED: February 10, 1960

Card 6/6

DUL'ZON, Nikolay Andreyevich, starshiy prepodavatel'

Equivalent circuit of a differential current transformer. Izv.
vys. ucheb. zav.; elektromekh. 6 no.1:127-131 '63. (MIRA 16:5)

1. Kafedra elektricheskikh setey i sistem Tomskogo politekhnicheskogo
instituta.

(Electric transformers) (Electric protection)

VEREMEYEVA, A.A., inzh.; DUL'ZON, N.A., inzh.; KOBERNIK, Ye.D., inzh.;
PANASYUK, N.G., inzh.; SAVOST'YANOV, Yu.Ye., inzh.

Protection of generators from various stator windings damages by
means of differential current transformers. Elek. sta. 36 no.2:
40-45 F '65. (MIRA 18:4)

DUM, E.V.; FAYERMAK, B.G.; BRONFEN, P.M.

The SBC-1m boring machine for boring gas drainage holes in coal mines. Ugol' 40 no.12:60-61 D '65. (MIRA 18:12)

1. Giprouglegormash, Karaganda (for Dum). 2. Mashinostroitel'nyy zavod Karagandinskogo soveta narodnogo khozyaystva (for Fayermak, Bronfen).

DUMA, A.K., inzh.; MASHKOV, A.S., inzh.; KOVALEV, V.P., inzh.

Strengthened suspended scaffolding with mechanized hoisting.
Prom. stroi. 40 no. 12:37-39 '62. (MIRA 15:12)
(Scaffolding)

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HINCU, S., ing., DUMA, D., ing.

Hydraulic studies on the complex development of the Danube
Delta. Hidrotehnica 8 no.8:277-285 1963

DUMA, D.; KIMPIANU, Ye.[Cimpeanu, E.]; POPOVICH, L.[Popovici, L.];
PAVEL, O.[Pavel, O.]; OPINKARU, A.[Opincaru, A.]; GREKU, F.[Grecu, F.]

Heparin treatment in acute disorder of cerebral blood circulation
caused by thromboembolism. Nauch. trudy Inst. nevr. AMN SSSR
no.1:345-350 '60. (MIRA 15:7)

1. Klinika nervnykh bolezney Mediko-farmatsevticheskogo institut,
Kiush.

(HEPARIN) (CEREBROVASCULAR DISEASE)
(EMBOLISM)

SARATEANU, D.; SURDAN, C.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; ROMAN, AL.
DUMA, D.; MARTA, M.

Identification of a virus of the pararickettsia group, and its isolation from the calves stricken with enzootic bronchopneumonia. Studii cerc inframicrobiol Special issue-supplement to 12:323-328 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. (for Sarateanu, Surdan, Sorodoc, and Fuhrer-Anagnoste). 2. G.A.S. (Gospodarie Agricola de Stat) Rosia (for Roman). 3. Laboratorul regional veterinar Oradea (for Duma and Marta). 4. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Sarateanu).

(VETERINARY MEDICINE) (PNEUMONIA)
(RICKETTSIAL DISEASES)

SARATEANU, D.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; SURDAN, C.; NASTAC, E.;
LISSIEVICI-OPRESCU, E.; DUMA, D.; MARTA, M.; ROMAN, Al.

Serologic studies on the incidence rate of ornithotic antibodies
in some mammals. Studii cerc inframicrobiol Special issue-supplement
to 12:329-334 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. (for Sarateanu,
Sorodoc, Fuhrer-Anagnoste, Surdan, Nastac, and Lissievici-Oprescu).
2. Laboratorul regional veterinar Oradea (for Duma and Marta). 3. C.A.S.
(Gospodarie Agricola de Stat) Rosia (for Roman). 4. Membru al Comite-
tului de redactie, "Studii si cercetari de inframicrobiologie" (for
Sarateanu).

(ORNITHOSIS) (ANTIGENS AND ANTIBODIES)

SARATEANU, D.; SOBODOC, G.; FUHRER-ANAGHOSIE, B.; SURDAN, C.; NASTAC, E.;
LISSIEVICI-OPRESCU, E.; unter Mitarbein von DUMA, D.; MARTA, M.;
ROMAN, A1.

Serological investigations of the presence of anti-ornithosis anti-
bodies in some mammals. Rev. sci. med. 6 no.1/2:109-112 '61.

(ORNITHOSIS immunology)
(CATTLE diseases)
(SHEEP diseases)

SARATEANU, D.; SURDAN, C.; SOBODOC, G.; FUHRER-ANAGHOSTE, B.; in colaborare
cu DUMA, D.; MARTA, M.; CUFSA, V.

Investigations of an ornithosis epizootic in canaries connected with
human cases. Stud. cercet. inframicrobiol. 12 no.3:347-351 '61.

1. Comunicare prezentata la Institutul de infromicrobiologie al
Academiei R.P.R. in sedinta din 5 mai 1961.
(ORNITHOSIS epidemiology)

DUMA, D.; PAPILIAN, V.V.; VUIA, C.; SERBAN, M.

Histochemical aspects of demyelinating leukoencephalitis. Rev. sci.
med. 7 no.1/2:41-45 '62.
(ENCEPHALITIS) (DEMYELINATION)

DUMA, D.; SERBAN, M.; POPOVICIU, L.; LAZAR, Tr.; MARES, V.; TARANU, Al.

Histochemical research in various muscular diseases. Stud.
cercet. neurol. 10 no.3:159-165 Je '65.

MANTA, I.; DUMA, D.; LAZAR, Tr.C.; POPOVICIU, L.; CATANA, Rozalia;
PIRVU, Maria; SERBAN, M.

Biochemical research on experimental allergic encephalomyelitis.
Pt.2. Fiziol. norm. pat. 11 no.3:237-242 My-Je '65.

1. Catedra de biochimie si Clinica de neurologie, Institutul
medico-farmaceutic, Cluj.

3,1810 (1041)

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S/609/61/000/003/004/008
D039/D112

AUTHOR: Duma, D.P.

TITLE: Geographic distribution of stable forms of auroras in the region of the Tiksi Bay

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Organizatsionnyy komitet po provedeniyu Mezhdunarodnogo geofizicheskogo goda. Mezhdunarodnyy geofizicheskyy god; informatsionnyy byulleten', no. 3, 1961, 30-34

TEXT: This paper covers results of an investigation of the geographic distribution of homogeneous and radiant arcs in the region of the Tiksi Bay, conducted within the period Oct 1957 - March 1958. Certain peculiarities of the behavior of auroras above the continent and basins are described. The author also points out the existence of "forbidden zones" in which the auroras are not observed at the zenith, and the "coastal effect", consisting in the fact that certain arcs follow the contours of the shoreline. The geographic distribution of the auroras were studied with the aid of copies of

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photographs taken by the C-180 (S-180) camera during the observation period 1957-58. The photographs were viewed by means of a D-1A (D-1A) diascope with a tenfold magnification. About 20,000 photographs were viewed and from this total about 100 photographs showing stable forms of auroras were selected for the measurements. The projections of the arcs were then plotted on blank maps of the basin of the Laptev Sea. The arcs were measured with the aid of an accurate rule and an azimuth scale. A total of 83 positions of homogeneous and radiant arcs were measured; 52 arcs from this total were separate forms of auroras. The measurement of distances was carried out on the photograph with an accuracy of up to 0.05 mm, which gives errors ranging from 0 - 35 km over distances from 0 to 1,000 km. This accuracy was considered high enough for the purposes of the investigation. The analysis of the position of the arcs gave the following results: (1) the average direction in which the homogeneous and radiant arcs extend, forms an angle of 10 - 12° to the geomagnetic parallels. This angle is read clockwise from the western end of the parallel, as in the investigations of Vegard, conducted in Boscokop [Abstracter's note: The correct rendition of Vegard and Boscokop could

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not be established] and mentioned by S.K. Mitra (Ref. 1: Verkhnyaya atmosfera [The Upper Atmosphere], Izd-vo inostr. literatury, M., 1955). However, the majority of the arcs deviate to both sides of the average direction and at different angles with the latter. This contradicts the statement of many authors who consider that the position of the arc is dictated by the common dipole field, and testifies to the effect of the local magnetic fields on the spatial position of the arc; (2) the maximum velocities of the arcs in space are several km/sec, which agrees with the measurements of G.V. Starkov and N.I. Fel'dshteyn conducted in the region of the Lomon Island; (3) when comparing the "continental arcs" with those situated above a basin, it was found that the "continental" ones were more quiescent than the latter. The arc velocities above basins are higher than above the continent; (4) the existence of a "coastal effect" consisting in the fact that certain arcs follow the shape of the coastline, was also established; (5) peculiar "forbidden zones" encompassing the auroras were often observed. Their existence is very clearly demonstrated by a single arc in existence for a long period. The duration of the "forbidden zones" ranges between several minutes and several hours. If it is assumed that the auroras are discharges, the presence

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of the "forbidden zones" can be explained as the result of a combination of the initial and induced magnetic fields of the arcs; (6) there are certain terrestrial regions in which auroras are scarcely ever observed at the zenith. Their presence is associated with the peculiarities of the local magnetic fields and possibly with the existence of strong magnetic anomalies. The author concludes that all these facts indicate that the position of homogeneous and radiant arcs in space is particularly determined both by the instantaneous value of the local magnetic field, as is assumed by Cartlein et al. (Ref. 2: C.W. Cartlein, H.E. Cartlein, G. Sparagne, The Aurora and the Local Magnetic Field, a report delivered at the Fifth Assembly of the SK MCG[SK of the International Geophysical Year] in July, 1958, in Moscow) and by the properties of the base surface. There are 2 figures and 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: C.W. Cartlein, H.E. Cartlein, G. Sparagne, The Aurora and the Local Magnetic Field.

ASSOCIATION: Glavnaya astronomicheskaya observatoriya AN USSR (Main Astronomical Observatory, AS UkrSSR)

Card 4/4

YAKOVKIN, A.A. [IAkovkin, A.O.]; DUMA, D.P.

Orientation of fundamental catalogs based on lunar observations. Dop. AN URSSR no.6:761-764 '63 (MIRA 17:7)

1. Glavnaya astronomicheskaya observatoriya AN UkrSSR. 2. Chlen-korrespondent AN UkrSSR (for Yakovkin).

DUMA, D.P.

Calculating the orientation elements of the fundamental catalogs
from lunar observations. Dop. AN URSR no.8:1041-1045 '63.

(MIRA 16:10)

1. Glavnaya astronomicheskaya observatoriya AN UkrSSR.

Predstavleno akademikom AN UkrSSR N.P.Barabashovym,

(Stars--Catalogs)

(Moon-Observations)

DUMA, D.P.

Determination of the equinoctial points from lunar observations.
Izv. Glav. astron. obser. AN USSR 5 no.1:12-20 '63.' (MIRA 16:6)
2 (Sun) (Moon--Observations)

ACCESSION NR: AT4043448

S/0000/64/000/000/0003/0021

AUTHOR: Duma, D. P.

TITLE: Determination of the orientation elements of fundamental catalogues from short series of lunar observations

SOURCE: AN UkrSSR. Glavnaya astronomicheskaya observatoriya. Voprosy*
astrometrii (Problems in astrometry). Kiev, Izd-vo Naukova dumka, 1964, 3-21

TOPIC TAGS: astronomy, moon, lunar node, lunar orbital inclination, astronomical
fundamental catalogue, astronomical orientation

ABSTRACT: Equations have been derived for determining the orientation of the system of
fundamental catalogues from short series of lunar observations, taking into account the
motion of the nodes and the inclination of the orbit to the ecliptic. It is shown that the pre-
viously applied equations should be replaced by the following

$$\sin(\omega - N) \Delta\mu + \sin I \cos(\omega - N) \Delta l + \Delta\delta_0 = \Delta\delta_{\text{obs-eph}}$$

$$\Delta A = \Delta l - \Delta\omega_{\text{obs-eph}}$$

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ACCESSION NR: AT4043448

where N is the longitude of the ascending node of the orbit on the equator, I is the inclination of the moon's orbit to the equator at a given time, the unknown $\Delta\mu$ is the sum of the corrections $\Delta\lambda, \Delta\xi, \Delta\eta$ with the corresponding coefficients, $\Delta\delta_{\text{obs-eph}}$ is the difference between the observed and ephemeridal declinations, $\Delta\alpha_{\text{obs-eph}}$ is the mean annual difference between the observed and ephemeridal right ascensions, $\Delta\delta_0$ is the correction for declination, and Δl is the correction for ephemeridal longitude. After transformations and taking into account new computations for corrections of longitude and orbital inclination, the final equations are

$$\Delta\lambda \sin(\alpha - N) + \Delta A \sin I \cos(\alpha - N) + \Delta\delta_0 = \Delta\delta'_{\text{obs-eph}}$$

for the northern limb and

$$\Delta\lambda \sin(\alpha - N) + \Delta A \sin I \cos(\alpha - N) + \Delta\delta_0 = \Delta\delta''_{\text{obs-eph}}$$

for the southern limb, where $\Delta\delta'_{\text{obs-eph}}$ and $\Delta\delta''_{\text{obs-eph}}$ are the differences in

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declinations, computed while taking into account corrections for longitude, inclination and macrorrelief. These formulas, on being applied to meridian observations of the moon made at the U. S. Naval Observatory in 1927, gave results that were in fairly good agreement with those of other authors. Correction to Newcomb's equinox is $\Delta A = -0.5036 + 0.0023$ and the equatorial correction is $\Delta \epsilon_0 = -0.2740.10$. Orig. art. has: 59 formulas, 3 figures and 5 tables.

ASSOCIATION: Glavnaya astronomicheskaya observatoriya, AN UkrSSR (Main Astronomical Observatory, AN UkrSSR)

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DUMA, G., Dr.; ILCA, St., ing., chim.; CRIVETI, D., dr.; MANU, E., dr.

Studies on elimination of bilirubin in icterogenic hepatitis.
Med. int., Bucur. 4 no.8:1143-1151 Dec 56.

1. Lucrare efectuata in Spitalul unificat de adulti Lugoj.
(HEPATITIS, urine in
icterogenic, elimination of bilirubin)
(BILIRUBIN, in urine
in icterogenic hepatitis)

DUMA, GY.

DUMA, GY. Subsequent determination of the burning conditions of a medieval tile stove.
p. 344.

Vol. 8, No. 9, Sept. 1956.

EPITOANYAG

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 6, No. 2, Feb. 1957

~~György~~, Duma, G

HUNGARY/Chemical Technology - Chemical Products and Their
Application, Part 2. - Ceramics, Glass, Binders,
Concretes. - Glass. H-12c

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22190

Author : György Duma

Inst :

Title : Gilding of Middle-Age Glazed Construction Ceramics in
Hungary.

Orig Pub : Épitőanyag, 1957, 9, No 4, 204-211

Abstract : No abstract.

Card 1/1

DUMA, Gyorgy

Formation of the color of unglazed black ceramics by means
of coal as a product of combustion process. Epitoanyag 14
no.12:463-470 D '62.

DUMA, Gyorgy

Survival of the crockery vault, an ancient building structure,
in Hungarian pottery kilns. Epitoanyag 17 no.2:37-46 F '65.

1. College of Industrial Arts, Budapest.

DUMA, H.

"The organization of the State University of Tirane"

Buletin. Seria Shkencat Natyrore. Tirane, Albania. Vol. 11, no. 1, 1957

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 6, Jun 59, Unclass

EFREMOV, G.; VASKOV, B.; DUMA, H.; ANDREJEVA, M.

Separation of human hemoglobins with starch gel electrophoresis, aluminium oxide chromatography and DEAE cellulose chromatography. I. Technics and results of the study of adult and fetal hemoglobins. Acta med. Iugosl. 17 no.3:252-262 '63.

1. Katedra za stocarstvo Poljoprivredno-sumarskog fakulteta i Klinika za dječje bolesti Medicinskog fakulteta u Skoplju.

SERETSYANU, D.[Sarateanu, D.]; SURDAN, K.[Surdan, C.]; SHORODOK, G.
[Sorodoc, G.]; SHTEFENESCU, I.[Stefanescu, I.]; v sotrudni-
chestve s: DUMA, M.; MARTA, M.; VASILE, K.[Vasilie, C.];
FLORESKU, T.[Florescu, T.]; PAIKU, P.[Paicu, P.]

Investigations of active immunisation against ovine enzootic
abortion. Immunological study in various epizootic conditions.
Rev. sci. med. 8 no.3/4:167-171 '63.

(RICKETTSIAL DISEASES) (SHEEP DISEASES)
(ABORTION, VETERINARY) (VACCINES)

SARATEANU, D.; SURDAN, C.; SORODOC, G.; ANAGNOSTE, B.; STEFANESCU, I.
in colaborare cu DUMA, M.; MARTA, M.; VASILE, C.; FLORESCU, T.;
PAICU, P.

Research on active immunisation against ovine enzootic
abortion. Immunological study in various epizootiological
conditions. Stud. cercet. inframicrobiol. 14 no.3:283-294
'63.

(ABORTION, VETERINARY) (SHEEP DISEASES)
(RICKETTSIAL DISEASES) (IMMUNOLOGY)

DUMA, M.

TECHNOLOGY

Periodicals: AUTOMATICA SI ELECTRONICA. Vol. 2, no. 4, July/Aug. 1958

DUMA, M. A conference on telemechanics in Leningrad. p. 176.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1958, Unclass.

DUMA, M.; ROISMAN, W.

Voltage stabilizers of alternating current with magnetic and electronic amplifiers;
p. 204

AUTOMATICA SI ELECTRONICA (Asociatia Stinifica & Inginerilor si Technicienilor di
din Rominia.)
Vol. 2, no. 5, Sept/Oct. 1958
Bucuresti, Rumania

Monthly list of European Access: ion Index (EEAI) LC Vol. 8, No. 11
November 1959
Uncl.

DUMA, M.; CRETESCU, A.; CALUSITA, M.

Televoltmeter and teleamperometer for a physical circuit. p. 230

AUTOMATICA SI ELECTRONICA (Asociatia Stiintifica a Inginerilor si tehicienilor din
Romania)
Vol.2, no. 5, Sept./Oct. 1958
Bucuresti, Rumania

Monthly list of European Accession Index (EEAI) LC Vol. 8, No. 11
November 1959
Uncl.

DUMA, M.; ROISMAN, W.; COLIN, L.

A universal static device for telemetering on physical circuits. p. 235.

AUTOMATICA SI ELECTRONICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Rumania. Vol. 2, no. 6, Nov./ Dec. 1958

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

DEMA, M: SIRBU, M.

Power transducer in the continuous current operating as compensator
in telemetering. p. 119.

AUTOMATICA SI ELECTRONICA. (Asociatia Stiintifica a Inginerilor si
Tehnicienilor din Romania)
Bucuresti, Rumania
Vol.3, no. 3, May/June 1959.

Monthly list of Eastern European Accession Index (EEAI) LC Vol. 8, No. 11
November 1959
Uncl.

R/002/60/000/007/001/002
A125/A026

AUTHOR: Duma, M., Engineer

TITLE: Automation, the Need of the Day

PERIODICAL: Știință și Tehnică, 1960, No. 7, pp. 14 - 15

TEXT: After mentioning the report of the Central Committee of the Rumanian Communist Party, presented by Gh. Gheorghiu-Dej at the 3d Congress of the Rumanian Communist Party, the author briefly describes some procedures, which will be carried out by automatic devices. In thermal power plants all processes such as transportation and grinding of the coal, feeding, burning, production of steam and operation of power generating units will be mechanized and automated. Automatic control devices directed by automatic computers will control the whole production process. The distribution of electric power through the united national power grid will be controlled by electronic computers, installed in the main distribution centers. Automatic machine tools, such as duplicating machines, program-controlled machine tools, machine units, automatic and semi-automatic production lines will be introduced in the mechanical engineering industry.

Card 1/2

R/002/60/000/007/001/002
A125/A026

Automation, the Need of the Day

Rumania will produce more and more automatic elements, especially electronic devices, by using semiconductors. Brief reference is made to the advantages of automation. The author finally describes some electronic devices to be used in automation, produced in Rumania: ultrasonic defectoscopes; electronic stroboscopes generating luminous impulses from 24 to 430 cps; "C2/C50" electronic device for the determination of humidity and insulation of transformers, based on the principle of measuring the capacity of transformers from 2 to 50 ups; device for the determination of faults in electric aerials; hoar-frost indicator used for high voltage lines; and electronic pH-meter. There are 8 photographs. ✓

Card 2/2

S/044/62/000/008/067/073
C111/C333

AUTHOR: Duma, M.

TITLE: On the raising of the efficiency of the information transmission in the industrial telemetering technics

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 55, abstract 8V299. ("Tr. I Mezhdunar. kongressa Mezhdunar. federatsii po avtomat. upr., 1960 (T.3). Statist. metody issled." M., AN SSSR, 1961, 384-393. Discus., 393-400)

TEXT: One investigates the possibility of raising the economy of the information transmission. It is shown that one can raise the efficiency of the information transmission in the industrial telemetering technics by regarding the statistical and functional properties of the processes preceding in the different technological complexes. In this connection the notion of the information value which is determined by the economical profit is considered. In the added discussion one commends the importance and actuality of the questions considered in the paper in connection with the development of the large automatized complex telemetering systems.

[Abstracter's note: Complete translation.]

Card 1/1

45018

R/011/62/006/006/002/004
A065/A126

125650

AUTHORS: Duma, Mario, Vilcov, Lavinia, Steiner, Matel

TITLE: Selection methods used in the remote control of systems for scattered units

PERIODICAL: Automatica si electronica, no. 6, 1962, 239 - 242

TEXT: The main problems of the use of a selection based on frequency separation, as a main method of frequency separation in remote control systems for scattered units, were studied by the authors and others earlier. The continuation of these investigations has led to the development of some improved selection procedures, by combining the different methods of signal separation. Thus, the AP-311 remote control system for scattered units, i.e., operative oil wells, could be developed. The main objectives in the improvement of the selection methods consisted of: increase of the capacity of the remote control system; reduction of the number of conduits in each transmission line; development of the pliability of the device for an increase of the application possibilities; and, increase of the simplicity and safety of the device. Presented are then some

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Card

Card 1/2

DUMA, M.; STEINER, M.; NEGREANU, D.; VILCOV, L.; DUMITRESCU, M.; NEAGU, V.

Complex telemechanical system for short distance dispersed objects,
with application to oil derricks. Probleme automatiz 4:69-77 '63.

SIRBU, M.; DUMA, M.; PRANITKI, A.; PAUKER, M.; COLIN, L.; BRAUNSTEIN, P.

Radiotelemechanical control of the hoisting machinery. Probleme
automatis 4:205-210 '63.

DUMA, M., ing.; FELEA, I., ing.

Automatic equipment for the telecontrol of the state of an ensemble of dispersed objects. Automatica electronica 7 no.3:111-113 My-Je '63.

1. Seful laboratorului de telamecanica al Institutului de Cercetari Electrotehnice (for Duma). 2. Cercetator principal in laboratorul Institutului de Cercetari Electrotehnice (for Felea).

3. 10. 1991

12-11476

PAID

OTHER

ANDRONESCU, A.; BADESCU, I.; DUMA, N.

Contributions to the knowledge of the Ilba Handal deposit;
study of processes relating to vein mineralizing and weathering
of rocks. Rev min 13 no.9:393-404 S '62.

SOCOLESCU, M.; ANDRONESCU, A.; DUMA, N.

New mineralogical observations on the polymetal mineralizing of the
Handalu Ilbei deposit. Rev min 13 no.10:444-446 0 '62.

DUMA, R.K.

AID P - 5386

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 16/28

Author : Duma, P. K.

Title : Modernisation of console duplicate milling machine

Periodical : Stan. i instr., 9, 32, 5 1956

Abstract : The operation of one such modernised unit designated for manufacturing forging punches and other specimens which have a complicated form is briefly outlined and illustrated. Three drawings.

Institution : None

Submitted : No date

DUNN, R.A.
DUNA, R.K.

Rolling multiple screws and worm gears. Stan. 1 instr. 28 no.10:22-23
0 '57. (MIRA 10:11)

(Screw cutting) (Gear cutting)

DUMARK
DUMA, R.K.

Semiautomatic machines used in milling cam sleeves. Stan. 1
instr. 28 no.12:35 D '57. (MIRA 10:12)
(Milling machines)

AUTHOR: Duma, R.K.

SOV/121-58-9-7/21

TITLE: The Manufacture of Multi-start Screw Transmissions of Special Thread Profile (Izgotovleniye mnogozakhodnykh vintovykh peredach spetsial'nogo profilya)

PERIODICAL: Stanki i Instrument, 1958, Nr 9, pp 22 - 24 (USSR)

ABSTRACT: Screws and nuts with pitch angles between 15 and 45° are considered. An involute type profile has been introduced in recent years which is cut by a conical grinding wheel on a thread grinder. A helical tooth broach for cutting multi-start nuts having the new thread profile is illustrated in Figure 2 and the kinematic scheme of a special nut broaching machine is shown in Figure 3. It is stated that the new geometry permits five times the output of ordinary screws and nuts, cut on a lathe. A screw transmission with the involute profile is distinguished by high precision. The pitch accuracy in an eight-start screw is plus or minus 8 μ. The load capacity of the new screw exceeds the

Card 1/2

SOV/121-58-9-7/21
The Manufacture of Multi-start Screw Transmissions of Special Thread
Profile

ordinary by a factor of 2. Reference is made to Litvin,
F.L. "Trudy Seminara po teorii mashin i mekhanizmov",
M. SSSR, 1953, Nr 29.
There are 3 figures and 2 Soviet references.

Card 2/2

DUMA, R.K.
DUMA, R.K.

New shape of teeth of straight-tooth bevel gears and methods
of their manufacture. Stan.1 instr. 29 no.1:9-11 Ja '58.

(MIRA 11:1)

(Gear cutting)

DUMA, R.K.

Milling helical grooves on shaped parts. Stan. 1 instr. 29 no.5:39
My '58. (MIRA 11:7)

(Spiral milling)

DUMA, S.

Open-cast coal mining. p. 8. TEHNICA NOUA. (Asociatia Stiintifica a
Inginerilor si Tehnicienilor) Bucuresti. Vol. 2, no. 25, Nov. 1955

So. East European Accessions List Vol. 5, No. 9 September, 1956

5(1) "

RUM/3-59-8-20/32

AUTHOR: Duma, V., Engineer

TITLE: The Evolution of the Chemical Plant "Nicolae Teclu"
in the Rumanian People's Democracy Era

PERIODICAL: Revista de chimie, 1959, Nr 8, pp 479-480 (Rumania)

ABSTRACT: The author affirms that there are few chemical plants in Rumania which underwent such significant development as the "Nicolae Teclu" chemical plants did. This evolution refers both to the rapid increase of the production capacity and the extension of basic products. The raw material of the chemical factory is natural gas. Its utilization for chemical purposes was directed to the following specialities: production of carbon black based on the channel and furnace processes; production of formaldehyde through slow oxidation in the presence of catalysts of natural gas; production of formic and oxalic acid with sodium sulfate (anhydrous) as a byproduct; production of methyl metacrylate (plexiglas) by the use of cyanhydroc acid and acetone, both obtained from natural gas. Until the

Card 1/2

RUM/3-59-8-20/32

The Evolution of the Chemical Plant "Nicolae Teclu" in the Rumanian People's Democracy Era

nationalization act, the production was limited to producing carbon black and formaldehyde. A historical section is included, in which the situation during the so-called capitalist era is criticized. The new development is attributed to cooperation with the Soviet Union. For example, the whole carbon-black factory was brought from the USSR. The sorts of carbon black obtained are : active channel carbon black, short furnace carbon black type SRF, long furnace carbon black type HMF and FF. As for formaldehyde this factory was the first in the world to apply the GHH process. The production of organic glass is based on research by the institute CHIMIGAZ. Workers' colonies at Prostec-Mare and Copşa Mică are mentioned. ✓

Card 2/2

DUMA, Z.

The European corn borer is dangerous to rye and wheat. p. 9.
Vol. 6, no. 11, Nov. 1955 Warszawa GOSPODARKA ZABOZOWA

SOURCE: East European Accession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

DUMA, ZDZISLAW

4
POLAND/Chemical Technology, Chemical Products and Their
Application, Part 3. - Carbohydrates and Their
Treatment.

H-26

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 34100.

Author : Zdzisław Duma.

Inst : Not given.

Title : Grain Drying at Sugar Factories.

Orig Pub: Przegl. zboż.-młynarski, 1957, 1, No 4, 3-6.

Abstract: It was found that the use of pressed pulp drum driers of the Blüthner type in the case of necessity and in order to use the equipment outside the season is quite expedient economically. The output of driers is 6.5 to 9.6 tons per hour depending on the initial moisture of grain (G) and the gas temperature. It is recommended to dry G only to 13 or 14% -ual moisture. Further

Card : 1/2

POLAND/Chemical Technology, Chemical Products and Their
Application, Part 3. - Carbohydrates and Their
Treatment.

H-26

Abs Jour: Referat. Zhurnal Khimii, No 10, 1958, 34100.

decrease of the G moisture by 1% would need a rise of the heating temperature by 8.3° and a corresponding rise of gas temperature by 41.5° , which is connected with a considerable rise of fuel consumption and with the danger that the quality of G will deteriorate. The heating of G to 56° during the drying increases the germination degree of G a little, the decrease of the latter is observed only, if the heating temperature of the G was above 69° . The heating of G to about 60° produces a positive action on the baking properties of the G. At a heating of G to 90° no structural alterations of the aleurone layer of G occur. G drying on drum driers for

Card : 2/3

DUMA, ZDZISLAW
POLAND/Chemical Technology. Chemical Products and Their Application.
Food Industry. H-28

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 16004

Author : Duma Zdzislaw

Inst :

Title : Conference of Cereal Chemists at Detmold

Orig Pub: Przegl. zboz.-mlynarski, 1957, 1, No 5, 2-4.

Abstract: No abstract.

Card : 1/1

POLAND/Chemical Technology - Food Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 55534
Author : Duma
Inst : Inst. zboz.
Title : A Modification of the technique for Determining the Ash
Content of Grains.
Orig Pub : Przegl. zboz.-mlynarski, 1958, 2, No 1, Biul. inform.
Inst. zboz., 1-3.
Abstract : A description is given on the suggested changes in tech-
nique, and the experimental results. The modification
consists mostly in ashing the whole grains, and also
in modified methods of sampling and ashing.

Card 1/1

21

DUMA, Z.

POLAND/Food Processing Industry.

II.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65831

Author : Duma Zdzislaw

Inst : -

Title : Concerning the Accuracy of the Determination of Humidity.

Orig Pub : Przegl. zboz.-mlynarski, 1958, 2, No 3, 84-87.

Abstract : The method of determining the humidity of grain in a drying chamber were compared with the fast method in the Vays electrohygrometer. It was established that the classical method is more accurate than the rapid; however, the difference is insignificant.

Card 1/1

33

POLAND / Chemical Technology. Food Industry.

H

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75504.

Author : ~~Duma~~

Inst : Inst. zboz.

Title : The Industrial Control of Flour Darkening.

Orig Pub: Przegl. zboz-mlynarski, 1958, 2, No 4, Biul.
inform. Inst. zboz., No 2, 9-13.

Abstract: A review publication. A method of VNIKHHP
(Luk'yanov V.V., 1951, Technology and equipment
of macaroni industry), and that of Z.F. Duma
(with the application of colorimeter of Kent
Johns).

Card 1/1

Category=	: Chemical Technology. Chemical Products and Their Applications. Food Industry.	n-20
Abs. Jour. :	R. Zh. - Khim., No 11, 1959	40440
Author :	Dusa, Z. and Waskiewicz, I.	
Institut. :	Not given	
Title :	Comparison of Methods Used in the Determination of Catalase Activity in Seeds.	
Orig. Pub. :	Przeglad Zboz-Mlynarski, 2, No 9, (1958); Biul Inform Inst Zboz Warszawa, 2, No 4, 5 (1958)	
Abstract :	It has been found that titration by the method of Bakh and Oparin is the best among the methods tested.	
	Z. Fabinskiy	

Card: 1/1

H - 135

Country	: Poland	H-28
Category	: Chemical Technology. Chemical Products and Their Applications. Food Industry.	
Abs. Jour.	: R. Zh. - Khim., No 11, 1959	40446
Author	: Duma, Z.	
Institut.	: Not given	
Title	: Methods for Improving the Baking Quality of Rye	
Orig Pub.	: Przegląd Zboż-Młynarski, 2, No 7, 200-201 (1958)	
Abstract	: The baking quality of rye is improved by the following treatments:	
	(1) drying of the rye at 65-80°; (2) preparation of milling mixtures by the blending of rye of different grades or short hot treatment (heating with live steam for 1-2 min to 60-70° followed by ventilation for 1/2 hr); and (3) improvements in the particle size distribution of the flour [uniformity].	
	Z. Fabinskiy	
Card:	1/1	

POLAND/Chemical Technology. Chemical Products
and Their Applications. Food Industry.

H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21266

Author : Duma, Zdzislaw; Krowczynska, Eugenia

Inst :

Title : Simplified Table of Ash Content for the
Control of Milling Wheat and Rye.

Orig Pub : Przegl. zboz.-mlynarski, 1958, 2, No 9,
Biul. inform. zboz. Warszawie, 2, No 4,
6-10

Abstract : To facilitate practical utilization of
Mohs' data (Mohs, K., Grundlagen und Ziel
der Typisierung der Mehle nach Asche, 1933),
complete tables were compiled of the ash
content of rye and wheat flour with respect

Card : 1/2

H-120

DOMA, Z.

"The ZSP-8 Soviet transportable drying machine"

p. 266 (Przegląd Zbożowo-Młynarski, Vol. 2, no. 9, Sept. 1958, Warsaw, Poland)

Monthly Index of East European Accessions (MEAI) LC, Vol. 8, No. 1, Jan. 59.

DUMA, 2.

"Granaries are ready for the campaign in Ssesein Voivodeship"

p. 267 (Przeglad Zbyszowo-Mlynarski, Vol. 2, no. 9, Sept. 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

DUMA, Z.

"Erection of elevators and installations for the receipt of grain delivered
by water transportation"

p. 269 (Przeglad Zbozowo-Mlynarski, Vol. 2, no. 9, Sept. 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

DUMA, Zdzislaw

Influence of drying temperature and initial moisture of wheat grain upon its quality and an evaluation of the methods used for the determination of the drying effects. Prace instyt i labor przem spoz. 12 no.1:19-50 '62.

1. Centralne Laboratorium Technologii Przetworstwa i Przechowywania Zboz, Warszawa.

DUMAN, L.I.
AUTHOR: Duman, L. I., Candidate of Historical Sciences. 30-11-12/23
TITLE: A Scientific Center of Soviet Sinology (Nauchnyy tsentr
sovetskogo kitayevedeniya).
PERIODICAL: Vestnik AN SSSR, 1957, Vol. 27, Nr 11, pp. 100-102 (USSR)
ABSTRACT: Due to China's growing importance the interest of the soviet
people for its great neighbor with ancient culture, instructive
history and revolutionary tradition also grows. For this reason
the Presidium of the AN USSR in 1956 decided to establish a
special scientific institute with the task to do preparatory
scientific research work (problems of the economic, cultural
and state structure, investigation of language and literature
and so on). Sectors for history, politics and state structure,
economy and comparative philology were set up. During its com-
paratively short time of existence this Institute already did
good work. The outlines of China's history (1919-1957) were
concluded. Besides 2 large compilations were edited (the
Russian-Chinese and the Soviet-Chinese relations - 17th to 20th
century). Of great use to university graduates is the work "The
Bibliography of China" (Bibliografiya Kitaya) edited by a col-
lective of collaborators under the directing participation of
L. Ye. Skachkov. This work also gives a survey of the hitherto

Card 1/2

A Scientific Center of Soviet China-Research.

30-11-12/23

published works of Russian Sinologists since the Taiping-rebellion (1851/53) until our time. K. A. Skachkov also wrote the historical work on the situation in the so-called "Tsin-China" (fifties and sixties of the last century). With regard to philosophical subjects, monographs on Chinese poetry during the formation of Lu Sin's weltanschauung were written, further the first volume by the great linguist Lyuy Shu-syan was published. Soon the works of the well-known Chinese historian Fan'Ven'-lan' (the history of Old China) will be published in a Russian translation.

AVAILABLE: Library of Congress

Card 2/2

POLAND/Electronics - Photocells and Semiconductor Device.

H

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4013

Author : Dumana, Edward

Inst : -

Title : Equivalent Circuit of Transistor

Orig P-b : Zesz. nauk. Politechn. warsz., 1958, No 34, 53-65

Abstract : The use of a large number of equivalent circuits for semi-conductors, as practiced in the literature, makes the application of equivalent circuits difficult, since the circuits and the formulas derived from them are complicated and are different for each type of transistor connection (grounded base, grounded emitter, grounded collector). In this article the author considers an equivalent circuit which is common to all methods of connection. The design formulas for this circuit are distinguished for their relative simplicity and for the uniformity of the method by which they are made up for different transistor

Card 1/2

- 67 -

DUMANCHUK, V. P.

USSR (600)

Industrial Safety

More about the position of safety engineer and the technology of safety engineering.
Sakh. prom., No. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, October 1957, Uncl.

2

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